



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010508
CERTIFICATION DATE: November 21, 2013
DATE RECERTIFICATION DUE: May 20, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy
Program Manager, Calibration & Training

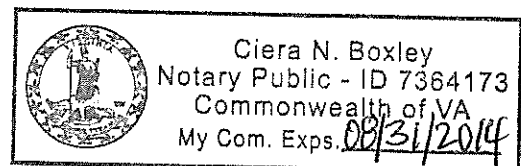
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of December, 2013, by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

Sid



DBH
NGL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/25/2013**

Instrument Serial Number: 010508

As of 25-Nov-13

Maintenance Date	Certification Date	Technician Initials	Remarks
21-Nov-13	21-Nov-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
08-Aug-13	08-Aug-13	DBH (21250)	REPLACED UPS BACK-UP BATTERY. FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
05-Jun-13	05-Jun-13	DBH (21250)	CERTIFIED.
12-Mar-13	19-Dec-12	DBH (21250)	REPLACED DRY GAS STANDARD.
19-Dec-12	19-Dec-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
11-Jul-12	11-Jul-12	SED (24178)	CERTIFIED.
24-Jan-12	24-Jan-12	DBH (21250)	CERTIFIED
02-Aug-11	02-Aug-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
24-Feb-11	24-Feb-11	DBH (21250)	CERTIFIED
14-Sep-10	14-Sep-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
31-Mar-10	31-Mar-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Oct-09	15-Oct-09	DBH (21250)	CERTIFIED.
06-May-09	06-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
13-Nov-08	13-Nov-08	DBH (21250)	CERTIFIED.
10-Nov-08	10-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
MSL

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010508 Worksheet Start Date 11/21/2013
Location Highland CO SO
Address 145 W Main St Monterey VA 24465
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010508

Certification Date 11/21/2013

Instrument Barometer (mm HG) 692

Reference Barometer (mm HG) 694

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.228	0.221	0.234	Sample 2	0.225
Precision		sample min	sample max	Sample 3	0.225
0.001		0.225	0.226		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.136	0.131	0.140	Sample 2	0.135
Precision		sample min	sample max	Sample 3	0.135
0		0.135	0.135		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.073	0.070	0.076	Sample 2	0.073
Precision		sample min	sample max	Sample 3	0.073
0		0.073	0.073		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.018	0.015	0.021	Sample 2	0.017
Precision		sample min	sample max	Sample 3	0.017
0		0.017	0.017		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG219101-07

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.091	0.088	0.094	Sample 2	0.090
Precision		sample min	sample max	Sample 3	0.090
0		0.090	0.090		

DFS Technician

Donald B Hall

Date

11/25/13

Issuing Analyst

Mehmet Kennedy

Date

12/1/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010508 Test Number: 192
Test Date: 11/21/2013 Test Time: 14:29 EST

Technician Initials: DBH

Dry Gas Target: 0.228

Lot Number: 29612250I2-10 Exp Date: 11/01/2014

Tank Pressure: 105 psi Barometric Pressure: 692 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:29
BLK	0.000	14:30
CHK	0.226	14:31
BLK	0.000	14:32
CHK	0.225	14:33
BLK	0.000	14:34
CHK	0.225	14:35
BLK	0.000	14:37

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010508 Test Number: 193

Test Date: 11/21/2013 Test Time: 14:40 EST

Technician Initials: DBH

Dry Gas Target: 0.136

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 551 psi Barometric Pressure: 691 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:40
BLK	0.000	14:41
CHK	0.135	14:42
BLK	0.000	14:43
CHK	0.135	14:44
BLK	0.000	14:45
CHK	0.135	14:46
BLK	0.000	14:47

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010508 Test Number: 194

Test Date: 11/21/2013 Test Time: 14:50 EST

Technician Initials: DBH

Dry Gas Target: 0.073

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 75 psi Barometric Pressure: 691 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:50
BLK	0.000	14:51
CHK	0.073	14:52
BLK	0.000	14:53
CHK	0.073	14:54
BLK	0.000	14:55
CHK	0.073	14:55
BLK	0.000	14:57

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

AK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010508 Test Number: 195

Test Date: 11/21/2013 Test Time: 15:00 EST

Technician Initials: DBH

Dry Gas Target: 0.018

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 904 psi Barometric Pressure: 691 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:01
BLK	0.000	15:02
CHK	0.017	15:02
BLK	0.000	15:04
CHK	0.017	15:04
BLK	0.000	15:05
CHK	0.017	15:06
BLK	0.000	15:07

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010508 Test Number: 196

Test Date: 11/21/2013 Test Time: 15:12 EST

Dry Gas Target: 0.273

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 492 psi Barometric Pressure: 691 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:13
CHK	0.273	15:14
BLK	0.000	15:15
CHK	0.273	15:16
BLK	0.000	15:18
CHK	0.272	15:18

Test Status: *Success*

Calibration CRC: 036304B8

DBH

WHL

DBH

Intox EC/IR-II: Accuracy Check

WAL

Department of Forensic Science
Serial Number: 010508 Test Number: 197
Test Date: 11/21/2013 Test Time: 15:21 EST
Dry Gas Target: 0.091
Lot Number: AG219101-07 Exp Date: 07/09/2014
Tank Pressure: 693 psi Barometric Pressure: 691 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	15:22
CHK	0.090	15:23
BLK	0.000	15:24
CHK	0.090	15:25
BLK	0.000	15:26
CHK	0.090	15:27

Test Status: Success

Calibration CRC: 036304B8

DBH

WHL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/21/2013
TEST EQUIPMENT NUMBER 010508		

RESULTS: TIME SAMPLE TAKEN **15:36 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 25 Nov 2013 at 12:09

407

Handwritten signature

Test Results

Instrument Serial Number 010508

Test # 000198 Subject Test

Test Location 1 Department of
Test Date 21 Nov 2013

Test Location 2 Forensic Science
Test Time 15:30
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 21 Nov 2013 End Time 15:37

Result Time 15:36

Result Date 21 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:30

Data Type BLK

Sample Value 0.000

Sample Time 15:31

Data Type CHK

Sample Value 0.090

Sample Time 15:32

Data Type BLK

Sample Value 0.000

Sample Time 15:33

Data Type SUBJ

Sample Value 0.000

Sample Time 15:34

Data Type BLK

Sample Value 0.000

Sample Time 15:35

Data Type SUBJ

Sample Value 0.000

Sample Time 15:36

Data Type BLK

Sample Value 0.000

Sample Time 15:37

Standard Type Dry Gas Std

Standard Value 0.091

Standard Lot Number AG219101-07

Standard Expiration Date 07/09/2014

Tank Pressure 683

Barometric Pressure 691 mmHg

Blow Sample Number 1 Blow Duration 3.68 sec

Blow Volume 1938 cc End-of-Blow Time 15:34

Blow Sample Number 2 Blow Duration 3.38 sec

Blow Volume 1836 cc End-of-Blow Time 15:36

Tamper Evident Stamp 21ddf5ea

Test Status Code 0

Test Status Success